SIGARMS®

GRANITE SERIES PISTOL
owners manual

WARNING

Please read and understand this owner's manual before taking your new SIGARMS pistol out of the box. It is vital to your safety and to the safety of others that you accurately follow the information contained in this manual, as well as the information supplied by the ammunition manufacturer. If you have any questions, please call or write:

SIGARMS Inc.
18 Industrial Drive,
Exeter, NH 03833
(603) 772-2302
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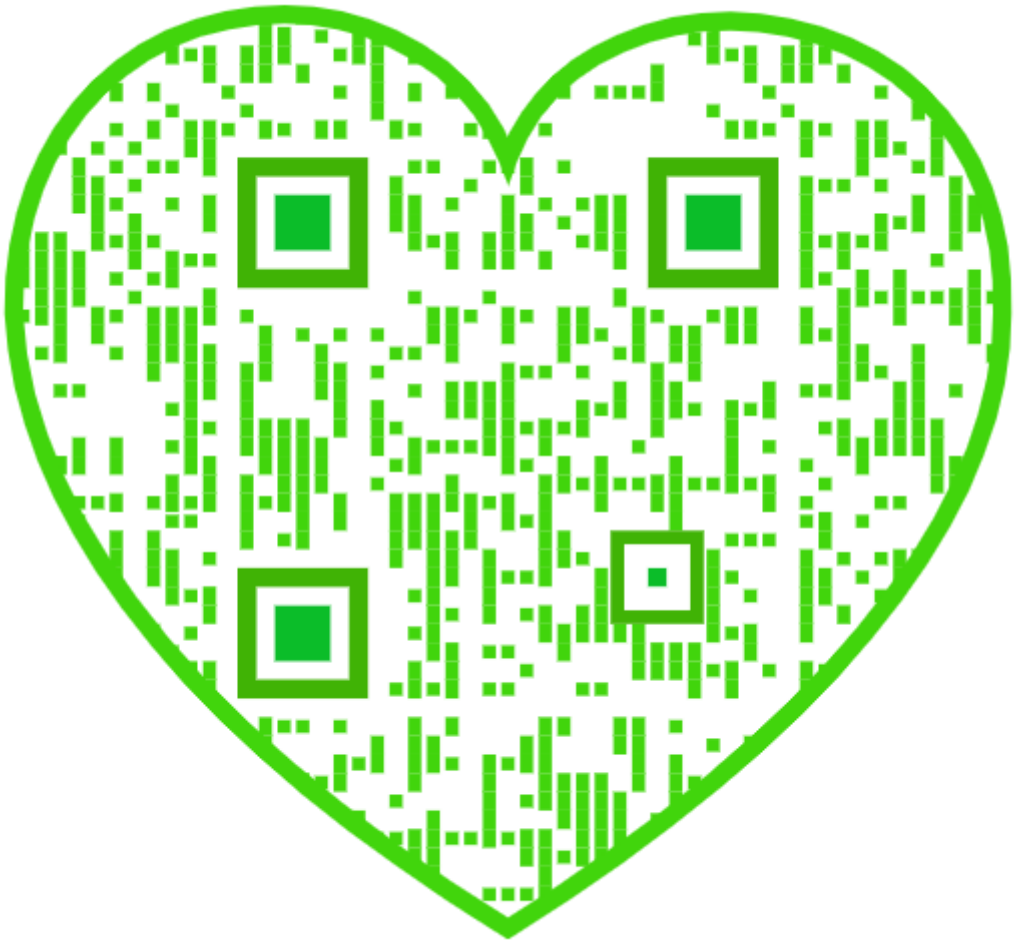

SIGARMS

GRANITE SERIES PISTOL

owners manual

You are now the owner of one of the world's finest and most superbly produced firearms. The SIGARMS Granite Series semiautomatic pistol has been crafted to meet the stringent requirements of the military, law enforcement and sportsmen. Used with the proper ammunition and given reasonable maintenance, it will serve you dependably and well for many years.

To make sure you get the best performance and reliability from your pistol, please read and follow the procedures outlined in this manual. You'll notice that we place a heavy emphasis on safe firearms handling. Like any other precision mechanical device, such as automobiles or power tools, high–quality firearms are inherently safe unless they are handled in a careless or irresponsible manner. Always remember that you, the owner, are the ultimate firearms safety device.

This manual only applies to the SIGARMS Granite Series pistol. Be certain this manual is available for reference and kept with this pistol if transferred to a new user or owner. If you have any questions or comments about this pistol and its use and maintenance, or need more information about other SIGARMS products and accessories, please write or call:

SIGARMS Inc.
Customer Service Department
18 Industrial Drive
Exeter, NH 03833
(603) 772-2302

WARNING

PLEASE READ AND UNDERSTAND THE INSTRUCTIONS AND PROCEDURES OUTLINED IN THIS MANUAL BEFORE USING ANY LIVE AMMUNITION OR ACTUAL SHOOTING. IT IS VITAL TO YOUR SAFETY AND THE SAFETY OF OTHERS THAT YOU ACCURATELY FOLLOW THE INFORMATION CONTAINED IN THIS MANUAL.

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1.0 SAFETY INSTRUCTIONS

BE SURE TO READ THROUGH THESE INSTRUCTIONS CAREFULLY BEFORE HANDLING THIS PISTOL.

Understanding these instructions and the technically correct implementation of the information contained therein are imperative to the correct preparation and safety during handling, care and maintenance of this SIGARMS Granite Series pistol. Do not handle the pistol until you have fully understood all safety instructions and its handling procedures. This includes knowing the basic parts of the pistol, how the safety features operate, how to safely open and close the action and how to safely load and unload ammunition from the firearm. Should you require further information, do not hesitate to contact your dealer or the manufacturer.

As the owner of a firearm, you have the responsibility to obtain proper training on how to use and maintain your firearm. Firearms safety courses are offered by state and local organizations as well as the National Rifle Association (NRA). You also have a responsibility to know and obey all local, state and federal laws governing the use, possession and transportation of firearms.

Before you take your pistol out of the box, please read the following information. Reading, understanding and practicing this information is vital to your safety and the safety of others.

PISTOLS are classified as FIREARMS and are sold by us with the specific understanding that we are not responsible in any manner whatsoever for their safe handling or resale under local laws and regulations. SIGARMS Inc. shall not be responsible in any manner whatsoever for malfunctioning of the firearm, for physical injury or for property damage resulting in whole or in part from:

- criminal or negligent discharge
- improper or careless handling
- defective, improper, hand-loaded, or reloaded ammunition
- inadequate care of the pistol (e.g. corrosion, damage, neglect)
- unauthorized modifications
- disregard of malfunctions
- resale in contradiction of regional legislation
- other influences beyond our direct and immediate control.

This limitation applies regardless of whether liability is asserted on the basis of contract, negligence or strict liability (including any failure to warn). Under no circumstances shall SIGARMS Inc. be liable for incidental or consequential damages, such as loss of use of property, commercial loss and loss of earnings or profits.

IMPORTANT

THE SAFEST PISTOL IS ONE THAT IS FULLY UNLOADED.

1.1 SAFETY WARNINGS AND RESPONSIBILITIES

- Always treat every gun as if it were loaded.
- Always keep your finger off the trigger until ready to shoot.
- Always keep the gun unloaded until ready to shoot.
- Always engage the thumb safety until you are ready to shoot.
- Always keep the gun pointed in a safe direction. Safe directions are defined as areas where there are no people, other living creatures or other people's property.
- Always handle your pistol as if the safety mechanisms were inoperable. The best safety device is correct, well-exercised and secure handling of the pistol.
- Always know your target and what is beyond it. Never point the pistol at doors, window panes, walls, concrete, stones, water or other flat surfaces. Shots can penetrate such surfaces, or be deflected into unsafe directions by them.
- Always carry the pistol in such a manner that, should you fall or otherwise slip, you are able to control the direction of the muzzle.
- Always be sure the pistol is safe to operate and the barrel is clear of any obstruction. Never shoot a pistol into which water, sand, dirt or other foreign bodies have entered.
- Always use the proper, factory-made ammunition for your particular pistol.
- Always wear eye and ear protection when shooting.
- Always unload the pistol immediately after shooting, before putting it down, holstering it or handing it to another authorized person.
- Always hand a firearm to someone with the action open after you verify the firearm is unloaded.
- Always store the pistol and the ammunition in different places.
- Always take steps to prevent use of your pistol by unauthorized people by keeping your pistol locked and in a secure place when not in use. Failure to take reasonable preventative steps may result in innocent lives being lost and, in some circumstances may result in your liability for these deaths.

- Never aim at yourself or other living creatures.
- Never use the pistol when under the influence of alcohol or drugs, during illness or other complaints; they can influence your judgment and reflexes.
- Never let a loaded pistol out of your hands.
- Never hand over the pistol to any person who has not thoroughly familiarized herself or himself with the safety regulations and handling of the pistol by reading the accompanying instructions.
- Never leave the pistol unattended. Unauthorized persons could cause damage with it, threaten or kill other people.
- Never store the pistol loaded. Remove the magazine and verify that there is no round in the chamber by following the unloading procedure (see Section 3.7, pgs. 10-11).

WARNING

DISCHARGING FIREARMS IN POORLY VENTILATED AREAS, CLEANING FIREARMS, OR HANDLING AMMUNITION MAY RESULT IN EXPOSURE TO LEAD AND OTHER SUBSTANCES KNOWN TO CAUSE BIRTH DEFECTS, REPRODUCTIVE HARM AND OTHER SERIOUS PHYSICAL INJURY. HAVE ADEQUATE VENTILATION AT ALL TIMES. WASH HANDS THOROUGHLY AFTER EXPOSURE.

2.0 PRODUCT DESCRIPTION

2.1 MAIN PARTS

In conventional gun terminology, the position of pistol parts are described as they occur with the pistol horizontal and in normal firing position; ie. the muzzle is forward or front; the hammer is rearward or rear; the trigger is downward or underneath; the sights are upward or on top.

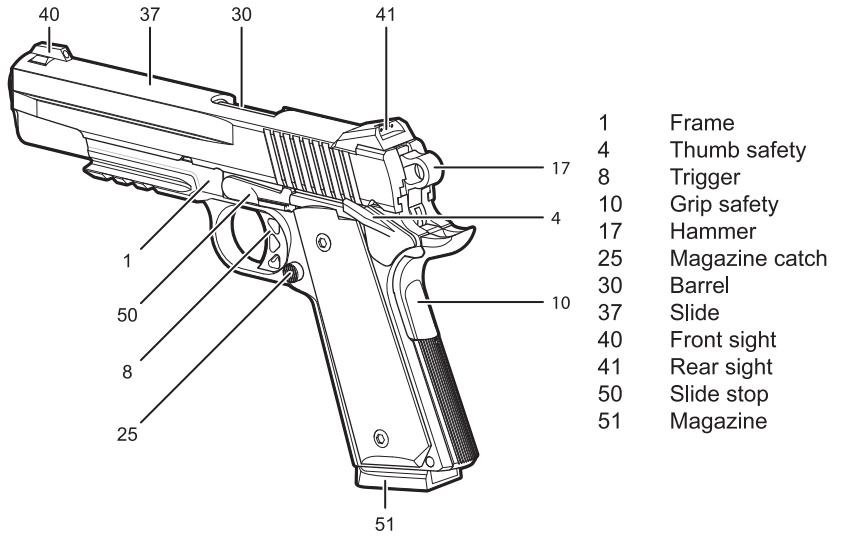

Figure 1: Pistol and magazine with major parts identified

2.2 MAIN FEATURES

SIGARMS Granite Series Pistols are precision firearms for military, police and sporting use. They operate on the principle of the mechanically locked, recoil-operated pistol with semi-automatic reloading. These pistols have been hand-fit to tolerances that allow them to perform exceptionally right out of the box.

2.3 SAFETY FEATURES

Trigger guard

The trigger guard protects the trigger from damage and helps prevent accidental discharge.

Thumb safety
The thumb safety is located above and to the rear of the left grip. To operate the thumb safety, cock the hammer by pulling the slide to its most rearward position and release, letting it fly forward with the full force of the recoil spring. The thumb safety cannot be engaged unless the hammer is fully cocked and the slide is fully forward. Then push the thumb safety fully upward into the thumb safety notch (see Figure 2). When engaged, the slide and sear are blocked, preventing the hammer from falling when the trigger is pulled.

To disengage, depress the thumb safety fully downward (see Figure 3). When the thumb safety is down, the hammer is free to fall when the pistol is properly gripped and the trigger is pulled.

Figure 2: Thumb safety engaged

Figure 3: Thumb safety disengaged

Grip safety
The grip safety is located on the rear of the frame. When engaged, the grip safety blocks the trigger. The user disengages the grip safety by firmly and properly gripping the pistol.

Disconnector
The disconnector is a passive safety device that engages and disengages automatically during the cycling of the slide. This device disengages the sear while the slide is moving, thus preventing a round from being fired before the pistol is in battery.

Firing pin safety lock
The firing pin safety is a passive safety device that locks the firing pin in place until the trigger is pulled. The purpose of this device is to prevent the firing pin from moving and helps prevent accidental discharge as a result of the pistol being dropped.

Safety intercept notch
The safety intercept notch is a passive safety device that prevents the hammer from falling if the primary sear notch fails. It also prevents the hammer from hitting the firing pin should you prematurely release the slide or hammer while cocking the pistol, provided the hammer has moved past the safety intercept notch. Using the safety intercept notch as a "half cock" position is a misuse of this feature and can result in unintentional discharge of the pistol and/or damage to the sear.

2.4 SCOPE OF SUPPLY

- 1 Pistol
- 2 Magazines
- 1 Handling and Safety Instructions
- 1 Trigger lock with instructions

WARNING

A FIREARM'S SAFETY FEATURES ARE MECHANICAL DEVICES WHICH ARE NOT A SUBSTITUTE FOR PROPER AND APPLIED TRAINING IN SAFE GUN HANDLING. YOU AND YOU ALONE ARE THE ULTIMATE SAFETY MECHANISM. THERE IS NO SUCH THING AS A "CHILDPROOF" SAFETY OR ONE WHICH CAN COMPLETELY PREVENT ACCIDENTAL DISCHARGE FROM CARELESS OR IRRESPONSIBLE USE. NEVER COMPLETELY TRUST ANY SAFETY MECHANISM.

3.0 HANDLING THE PISTOL

3.1 INITIAL PREPARATION PROCEDURE

For preservation, the pistol is normally delivered with a light coating of protective grease and oils. Before initial preparation, the pistol must be stripped, the protective coatings removed and then relubricated.

• Strip the pistol (see Sect. 5.1, pgs. 14-16)

• Clean and relubricate the pistol (see Sect. 5.2, pgs. 16-17)

• Assemble the pistol (see Sect. 5.3, pgs. 17-18)

3.2 AMMUNITION

This pistol will function effectively and safely with a wide variety of commercial and military-standard ammunition. Here are some suggestions that will keep your pistol free from ammunition related problems:

WARNING

USING THE WRONG AMMUNITION COULD RESULT IN SERIOUS INJURY OR DEATH. CATASTROPHIC DAMAGE COULD OCCUR.

- Use only ammunition of the caliber for which your pistol is chambered. The right caliber is permanently engraved on the barrel of your pistol.
- Always use ammunition that complies with the performance standards established by the Sporting Arms and Ammunition Manufacturers' Institute, Inc. of the United States (SAAMI).
- Never use reloaded, "refurbished", hand-loaded, non-standard ammunition or ammunition of a different caliber.
- Never use dirty, wet, corroded, bent, damaged or oiled ammunition.
- Always read and comply with the warnings and instructions that come with your ammunition.
- Never leave ammunition unattended.

WARNING

ALWAYS KNOW YOUR TARGET AND THE MAXIMUM RANGE OF THE AMMUNITION YOU ARE USING.

3.3 LOADING THE MAGAZINE

- Press down on the magazine follower with the cartridge case rim.
- Push the cartridge to the rear and under the magazine lips.
- Continue until the magazine holds the desired number of cartridges.

WARNING

DAMAGED, NON-STANDARD OR IMPROPERLY ASSEMBLED MAGAZINES SHOULD NEVER BE USED.

3.4 LOADING THE PISTOL

- Be certain the muzzle is pointed in a safe direction.
- Keep your finger off the trigger until you are ready to fire.
- Insert a loaded magazine and make sure it has engaged the magazine catch.
- Draw back the slide as far as it will go and allow it to snap forward under full tension of the recoil spring. Racking the slide back and releasing it will cock the hammer, strip off the top round in the magazine and chamber it. The pistol is now loaded, cocked and ready to fire.
- Engage the thumb safety and leave it engaged until you are ready to shoot.
- Always unload the pistol immediately after you are done shooting.

WARNING

THE MANUAL SAFETY MUST BE ENGAGED (IN THE UP POSITION) UNTIL READY TO FIRE. FAILURE TO ENGAGE THE MANUAL SAFETY CAN LEAD TO ACCIDENTAL DISCHARGE, CAUSING INJURY, DEATH OR DAMAGE TO PROPERTY.

3.5 DISCHARGING A ROUND

- Ensure that the target and the environment allow shots to be fired without danger.
- When discharging a round, ensure that neither your fingers, hands or any other part of the body are located in front of, adjacent to, or over the barrel muzzle or the ejector port.
- Never allow other persons to stand beside you where they might be struck by ejected cartridge cases.
- Always wear ear protection and safety glasses when shooting. Alert bystanders to the importance of wearing eye and ear protection.
- Immediately stop shooting and unload the pistol (see sect 3.7, pgs 10-11) if you suspect that a round has not been chambered properly, a case is jammed,

a bullet is lodged in the bore or a discharge sounded or felt weak or abnormal.

- Never attempt to dislodge a blockage by firing another round.

Discharge Procedure:

- Aim the pistol at a safe target.
- Disengage the thumb safety
- Place your finger on the trigger and pull back the trigger to discharge a round.
- Keep the pistol aimed at the target and fire further rounds as required.
- When your have finished firing, TAKE YOUR FINGER OFF THE TRIGGER, remove the magazine and unload the pistol (see sect 3.7, pgs 10-11).
- If the pistol has been fired until the magazine is empty, the slide will lock in

WARNING

AFTER EACH DISCHARGE, THE PISTOL IS IN THE COCKED AND READY TO FIRE CONDITION. IF YOU WISH TO INTERRUPT THE SHOOTING SESSION, YOU MUST UNLOAD THE PISTOL.

the open position. If firing is to continue, reload the pistol.

3.6 RELOADING DURING SHOOTING

When the magazine is empty, the slide catch lever holds the slide open.

- TAKE YOUR FINGER OFF THE TRIGGER.
- Press the magazine catch to remove the empty magazine.
- Remove the empty magazine.
- Insert a full magazine and ensure that it engages.
- Thumb down the slide catch lever or fully draw back the slide and allow it to fly forward.
- The pistol is again loaded and ready to fire.

3.7 UNLOADING THE PISTOL

Never let the pistol out of your hands before you have verified that it is unloaded. Always keep the muzzle pointed in a safe direction and keep your fingers outside the trigger guard. Keep hands away from the muzzle and ejection port.

WARNING

THE PISTOL CAN BE FIRED EVEN WHEN THE MAGAZINE IS REMOVED IF A CARTRIDGE IS IN THE CHAMBER AND THE TRIGGER IS PULLED. WHEN UNLOADING, ALWAYS REMOVE THE MAGAZINE FIRST THEN VISUALLY CHECK THE CHAMBER TO MAKE SURE IT IS EMPTY.

- Place your hand under the magazine to prevent it from falling and press the magazine catch to release and eject the magazine.
- If all of the rounds of a magazine have been fired, the slide will automatically lock in the open position.
- If the slide has not automatically locked back, manually pull back the slide and lock it with the slide catch lever. Make sure the last round in the chamber has been extracted and ejected.
- Visually and physically check the chamber and the magazine well to make sure the pistol has been unloaded (see Figure 4).
- Now ease the slide forward on an empty chamber. Repeatedly allowing the slide to slam closed on an empty chamber will cause premature wear to the trigger action and should be avoided.
- Point the muzzle in a safe direction.
- Squeeze the trigger and allow the hammer to fall.
- Unload the magazine.

The pistol is now unloaded and decocked

3.8 STORAGE AND TRANSPORTING

When storing and transporting your pistol, keep it unloaded, under lock and key, separated from ammunition and out of the reach of children and other inexperienced or unauthorized persons.

When transporting your pistol, know and comply with all laws governing the transportation of firearms in your locality.

Figure 4: Visual check of the camber

4.0 TROUBLESHOOTING

4.1 INITIAL TROUBLESHOOTING PROCEDURE

Firearms work reliably if properly maintained. If there is a malfunction during firing, here's what to do:

1. Keep the pistol pointed in a safe direction with your finger off the trigger. Hold this position for a minimum of 30 seconds.

2. Remove and secure the magazine.

3. Move the slide rearward and forward to clear any cartridge case in or near the chamber.

4. If you suspect that a bullet is lodged in the bore, field strip your pistol and check to see if the barrel is blocked. If there is a bullet lodged in the bore, return the pistol to SIGARMS.

Follow the above procedures if:

- You notice that a cartridge is difficult to chamber, or
- A cartridge does not go off, or
- The mechanism fails to extract a fired cartridge case, or
- You discover unburned grains of propellant powder spilled in the mechanism
- A shot sounds or feels weak or abnormal.

5. Inspect the malfunctioning cartridge. If the primer is indented, the cartridge should be disposed of in a way that cannot cause harm. If the primer is not indented, your firearm should be examined by a qualified gunsmith and the cause of the malfunction should be corrected before futher use.

WARNING

IF A BULLET IS IN THE BORE, DO NOT ATTEMPT TO SHOOT IT OUT BY USING ANOTHER CARTRIDGE, OR BY BLOWING IT OUT WITH A BLANK CARTRIDGE FROM WHICH THE BULLET HAS BEEN REMOVED. THIS CAN GENERATE EXCESSIVE PRESSURE, DAMAGE THE PISTOL AND CAUSE SERIOUS PERSONAL INJURY.

4.2 TROUBLESHOOTING GUIDE

MALFUNCTION	CAUSE	CORRECTION
Feed:		
No round fed into the chamber	Magazine not properly inserted or magazine is deformed or dirty	Insert magazine properly or change magazine
Slide does not close easily or completely	Pistol cartridge is fouled (dirty) or pistol is too heavily lubricated	Clean and lubricate the pistol properly and/or replace the ammunition
	Pistol requires service	Return to SIGARMS
Extraction/Ejection:		
After firing, the case stays in the chamber or is jammed in the ejection port	Insufficient recoil due to dirt	Clean and lubricate the pistol
	Light hold or limp wrist	Solid grip, rigid hold
	Low–powered ammunition	Change ammunition
	Pistol requires service	Return to SIGARMS
Ignition:		
Hammer drops but round does not fire	The firing pin is obstructed	Inspect, clean and lubricate the pistol
	Faulty ammunition	Manually cycle in the next round
	Pistol requires service	Return to SIGARMS

5.0
MAINTENANCE OF THE PISTOL

Follow these instructions and your SIGARMS pistol will remain in excellent condition even after years of hard service.

WARNING

BEFORE PERFORMING ANY CLEANING OR MAINTENANCE, MAKE SURE THE PISTOL AND MAGAZINE ARE COMPLETELY UNLOADED. THE PISTOL CAN BE FIRED EVEN WHEN THE MAGAZINE IS REMOVED IF A CARTRIDGE IS IN THE CHAMBER AND THE TRIGGER IS PULLED. WHEN UNLOADING, ALWAYS REMOVE THE MAGAZINE FIRST THEN VISUALLY CHECK THE CHAMBER AND MAGAZINE TO MAKE SURE THEY ARE EMPTY.

WARNING

BEFORE PERFORMING ANY DISASSEMBLY, MAKE SURE YOU ARE WEARING EYE PROTECTION.

5.1 FIELD STRIPPING THE PISTOL

1. Always make sure the magazine is removed and the pistol is not loaded. Strip and clean your pistol after every use and when exposed to dirt, sand, water, etc.

2. Position the pistol so that the muzzle is pointed up and rest the back end on a table.

Figure 5: Rotating the barrel bushing

Figure 6: Releasing the recoil spring

Figure 7: Removing slide stop

Figure 8: Removing recoil spring and guide

3. Pull the slide back about 1/4 inch. Press down on the recoil spring plug while rotating the barrel bushing clockwise about l/4 turn (see Figure 5). If necessary, use a barrel bushing wrench. Once the bushing is rotated, the plug and recoil spring will be free. Keep the plug contained with both hands and allow the recoil spring to fully extend (see Figure 6).

WARNING

THE RECOIL SPRING AND PLUG ARE UNDER TENSION AND WILL FLY OUT OF THE PISTOL UNLESS THEY ARE CONTROLLED.

4. Remove the plug from the spring.

5. Cock the hammer.

WARNING

CAUTION: Dropping the hammer while the slide is removed from the frame will cause damage to the frame.

6. Pull the slide to the rear until lug on slide stop is aligned with the disassembly notch. Push on the end of the slide stop shaft that protrudes from the right side of the pistol and remove the slide stop from the left side (see Figure 7).

7. Push the slide forward off the frame.

8.Pull the recoil spring guide up and over the barrel link and pull the guide and recoil spring rearward out of the slide (see Figure 8).

9.Turn the barrel bushing counterclockwise (see Figure 9). With the barrel link

Figure 9: Removing bushing from slide

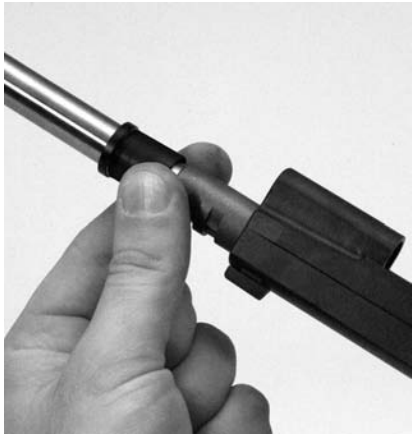

Figure 10: Removing barrel from slide

in its forward position, push the barrel out of the front of the slide (see Figure 10). Pull the bushing off the barrel.

WARNING

WARNING: DO NOT STRIP YOUR PISTOL ANY FURTHER THAN DESCRIBED IN THIS SECTION. DO NOT REMOVE OR ALTER PARTS, PARTICULARLY SAFETY PARTS. IF ADDITIONAL MAINTENANCE IS REQUIRED RETURN YOUR PISTOL TO SIGARMS.

5.2 CLEANING THE PISTOL

Barrel and chamber:

Clean the barrel and the chamber from the rear with a quality cleaning solvent, using a cleaning rod and brush of the correct caliber. Never clean the barrel from the muzzle end. Wipe the interior and exterior of the barrel free of all residue. Lightly lubricate the barrel, inside and out, with a quality lubricant designed for firearms.

Breech face and locking insert:

Use a small nylon bristle brush to thoroughly clean these areas.

External metal surfaces:

After each use, wipe all metal surfaces with a cloth lightly soaked with a lubricant preservative. This will remove any foreign material and preserve the finish of the pistol. Lightly lubricate the recoil spring, recoil spring guide and frame rails before reassembling the pistol.

NOTE: Some cleaning solvents may be harmful to the finish of your pistol. Read the solvent manufacturer's product use instructions and warning labels before using.

5.3 ASSEMBLING THE PISTOL

WARNING

WARNING: MAKE SURE YOUR PISTOL AND MAGAZINE ARE UNLOADED BEFORE REASSEMBLY.

1. With the slide upside down and the barrel link forward, push the barrel into the slide.

2. Place the barrel bushing over the muzzle of the barrel and into the slide until it is flush with the face of the slide (see Figure 11). Turn bushing clockwise as far as it will go.

3. Place the recoil guide into the recoil spring so that the open end of the spring is up against the collar of the guide. Assemble the recoil spring and guide into the slide by pushing the end of the spring through the slide from the rear (see Figure 12). Position the arched portion of the recoil spring guide over the outside surface of the barrel directly in front of the barrel link.

4. Cock the hammer. Position the slide so that you can see the hole in the barrel link through the slide stop hole. Push the slide stop into the slide stop hole, but don't fully insert it. Align the slide stop lug with the disassembly notch. Now push the slide stop up and in against the slide stop plunger until the slide stop is fully inserted.

5. Push the slide fully forward and point the muzzle upward.

Figure 11: Insert barrel into slide

Figure 12: Insert recoil spring and guide into slide

6. Insert the recoil spring plug onto the recoil spring. Push the slide back about 1/4 inch, press down on the recoil spring plug until it is flush with the face of the bushing. Rotate the bushing so that it locks the plug in place.

WARNING

YOU COULD DAMAGE YOUR PISTOL WHEN YOU FIRE, OR ATTEMPT TO FIRE IF THE RECOIL SPRING PLUG IS NOT CORRECTLY SEATED AND LOCKED AS DESCRIBED ABOVE.

5.4 VERIFICATION OF FUNCTIONS

Do these checks only after you strip and assemble the pistol. Do not slam the slide forward at any other time, except when loading. If you rack the slide when the pistol is unloaded, ease the slide forward with your hand. After assembling the pistol, check its function as follows:

- Insert an empty magazine and check that the magazine ejects when the magazine release button is pressed.
- With the magazine removed, pull the slide back fully and let it go. It should fly forward and close over the empty chamber.
- With the magazine inserted, pull the slide back fully and let it go. It should NOT fly forward.
- Look into the ejection port at the breech face. Make sure the firing pin is not protruding through the breech face.
- Pull and hold the trigger while racking the slide. When the slide returns to its forward position, the hammer should stay cocked.
- Push the thumb safety up. Pull the trigger and grip safety. The hammer should stay cocked.
- Push the safety down. Pull the trigger and grip safety. The hammer should fall.
- Point the muzzle down and pull the trigger without touching the grip safety. The hammer should stay cocked.
- Pull the hammer back slowly without touching the trigger. You should hear a click as the sear catches on the safety intercept notch. Pull the trigger again. The hammer should not fall.

5.5 CARE OF THE PISTOL

- Always keep your pistol in immaculate condition and in good working order.
- Always clean your pistol after use.
- Never modify or repair parts of your pistol yourself.
- Have your pistol checked every twelve months or 5000 rounds by a qualified gunsmith or armorer. Damage, wear, corrosion, etc. are not always visible from the outside.

- For repairs or service work, however, we recommend that you return your pistol to SIGARMS, who always holds a full range of replacement parts in stock.
- If you order spare parts without returning the pistol, you are responsible for ordering the correct part and its correct fitting by a qualified gunsmith or armorer.

CAUTION

THE MANUFACTURER AND IMPORTER CANNOT BE HELD LIABLE FOR FAULTS IN THE PISTOL OR MALFUNCTIONS IF THE PISTOL HAS BEEN MODIFIED OR NON-ORIGINAL PARTS HAVE BEEN FITTED BY THIRD PARTIES.

5.6 MAGAZINE MAINTENANCE

The magazine is critical to the safe and proper functioning of your pistol. In order to make sure it is working properly, check and maintain your magazine frequently.

To make sure the follower is moving freely and that the spring is providing sufficient force, load one cartridge into the magazine. Push down on the cartridge and then remove your finger quickly. The cartridge should immediately move to the top feeding position. If the cartridge binds, the magazine should be cleaned. If after cleaning the magazine still does not feed the cartridge smoothly and firmly, do not use the magazine.

To clean the magazine, field strip the magazine and wipe the parts with a quality cleaning solvent. Then wipe the components with a lightly oiled cloth and reassemble.

WARNING

THE MAGAZINE SPRING IS UNDER TENSION AND COULD FLY OUT CAUSING INJURY.

Figure 13: Field stripping the magazine

Figure 14: Follower and spring orientation

5.7 FIELD STRIPPING THE MAGAZINE

- Remove the base by pushing the base lock, which protrudes through a hole in the base (see Figure 13).
- Slide the base off towards the front of the magazine.
- Remove the base lock by sliding it forward off the front of the magazine.
- Pull the spring and follower out of the bottom of the magazine.
- To reassemble this magazine, reverse the above directions. When reassembling, make sure that the top coil of the spring is positioned towards the front of the magazine (see Figure 14) and that the post on the base lock protrudes through the hole in the base.

5.8 INSPECTION

Even the best of pistols, like fine automobiles, require periodic maintenance and inspection. This may reveal a need for adjustment or repair. Even if your pistol seems to be working well, don't take chances. Have it checked annually by a qualified gunsmith or armorer.

If you notice any mechanical malfunction, STOP using the firearm. UNLOAD it and take it to a qualified gunsmith or armorer immediately for a thorough examination. Similarly, if water, sand, or other debris enters the mechanism, field strip the pistol immediately and thoroughly clean it. Failure to keep your pistol cleaned, lubricated and in proper working order could lead to serious bodily injury or property damage.

6.0 WARRANTY AND SERVICE

6.1 WARRANTY

Based on the Magnuson-Moss Warranty Act, SIGARMS Inc. offers no express warranty on their product line. However, SIGARMS Inc. recognizes its obligations concerning service to owners of SIGARMS products. SIGARMS Inc. stands behind its products and will continue to provide service to their product line as they have over the years. SIGARMS Inc. products will be serviced for a period of one year from the date of retail purchase, for defects in materials or workmanship, at no charge to the purchaser. Be sure to retain your sales slip as proof of purchase date when making a claim.

If you have questions concerning the performance or servicing of your pistol, please write or call:

SIGARMS Inc.

Attention: Service Department

18 Industrial Drive

Exeter, NH 03833

USA

Phone: . . . . . .(603) 772-2302

Fax: . . . . . .(603) 772-9082

IF YOU DO NOT UNDERSTAND THE INSTRUCTIONS FOR OPERATING YOUR PISTOL, IT IS YOUR RESPONSIBILITY TO CALL OUR SERVICE DEPARTMENT: PHONE NUMBER (603) 772-2302 BEFORE USING YOUR FIREARM.

WARNING

DO NOT ATTEMPT TO DISASSEMBLE YOUR PISTOL BEYOND THE POINT EXPLAINED IN THIS MANUAL. THIS SHOULD BE DONE ONLY AT THE FACTORY. SOME COMPONENTS REQUIRE SPECIAL TOOLS FOR DISASSEMBLY.

6.2 RETURNING YOUR PISTOL FOR SERVICE

Generally, an individual may ship firearms to the manufacturer for repair or service. Some states and localities, however, prohibit this. If you live in such an area, the firearms must be shipped by and returned to a Federally Licensed Firearms Dealer.

Individuals must ship handguns via a common carrier (such as UPS). Federal law prohibits persons who do not possess a Federal Firearms License from shipping a handgun via the U.S. Postal Service. (Note: Any shipment of firearms outside of the USA borders is subject to the valid law of the specific country, which you must strictly follow.)

When you return a pistol to the SIGARMS Inc. Service Department, here's what to do:

- Call the SIGARMS Service Department to receive a Return Merchandise Authorization (RMA) number before shipping your pistol. SIGARMS will only accept packages that have an RMA number clearly printed on the outside.
- Make sure that the chamber and magazine(s) are unloaded and that no ammunition is included.
- Pack the pistol well (if possible in its original packaging) to prevent damage in transit. To prevent the pistol being recognized as such during shipping, wrap the original packaging in a second outer layer. Do not include carrying cases, telescopic sights, scope mounts or other accessories in the shipment.
- Enclose a letter stating the following:
- Your full name
- Your full address (mention street, not P.O. Box)
- Your daytime telephone number
- Model and serial numbers of the pistol
- The RMA number given to you by the Service Department
- Detailed description of the problem encountered or the service work to be performed
- If repairs are to be done under warranty, enclose copy of sales receipt.
- Ship your firearms insured and prepaid (we don't accept collect shipments) to the service address listed above

6.3 PARTS

Your SIGARMS pistol is a precision instrument and some replacement parts may require a trained gunsmith or armorer to ensure proper operation. Don't take chances; if your firearm ever needs service, return it to SIGARMS Inc. We cannot vouch for the qualifications or workmanship of any individual gunsmith or armorer.

UNAUTHORIZED ADJUSTMENTS OR PARTS REPLACEMENT CAN VOID YOUR SERVICE POLICY.

If you order a part without returning the pistol to SIGARMS Inc., you are responsible for ensuring that the part supplied is correct for your particular pistol and that it is properly installed and fitted by a qualified gunsmith. Always specify model, caliber and the serial number of your pistol when ordering parts.

SIGARMS Inc. CANNOT BE RESPONSIBLE FOR THE FUNCTIONING OF ANY FIREARM WHICH HAS BEEN ALTERED FROM SPECIFICATIONS.

7.0 TECHNICAL SPECIFICATIONS

Mechanically-Locked, Recoil-Operated, Semiautomatic Pistol

Trigger: Single-Action Only

Safety Features:

- Trigger guard
- Thumb safety
- Grip safety
- Disconnector
- Firing pin safety lock
- Safety intercept notch

Caliber	.45 AUTO
Length, overall	.8.65"
Height, overall	.5.50"
Width, overall	.1.37"
Barrel length	.5.00"
Rifling twist	.1 in 15.75"
Rifling grooves	.6
Sight radius	.6.50"
Weight, w/o magazine	.39.2 oz.
Weight, empty magazine	.2.4 oz.
Magazine capacity	.8 rounds

All weights and dimensions are approximate. Specifications are subject to change without notice.

8.0 SPARE PARTS LIST

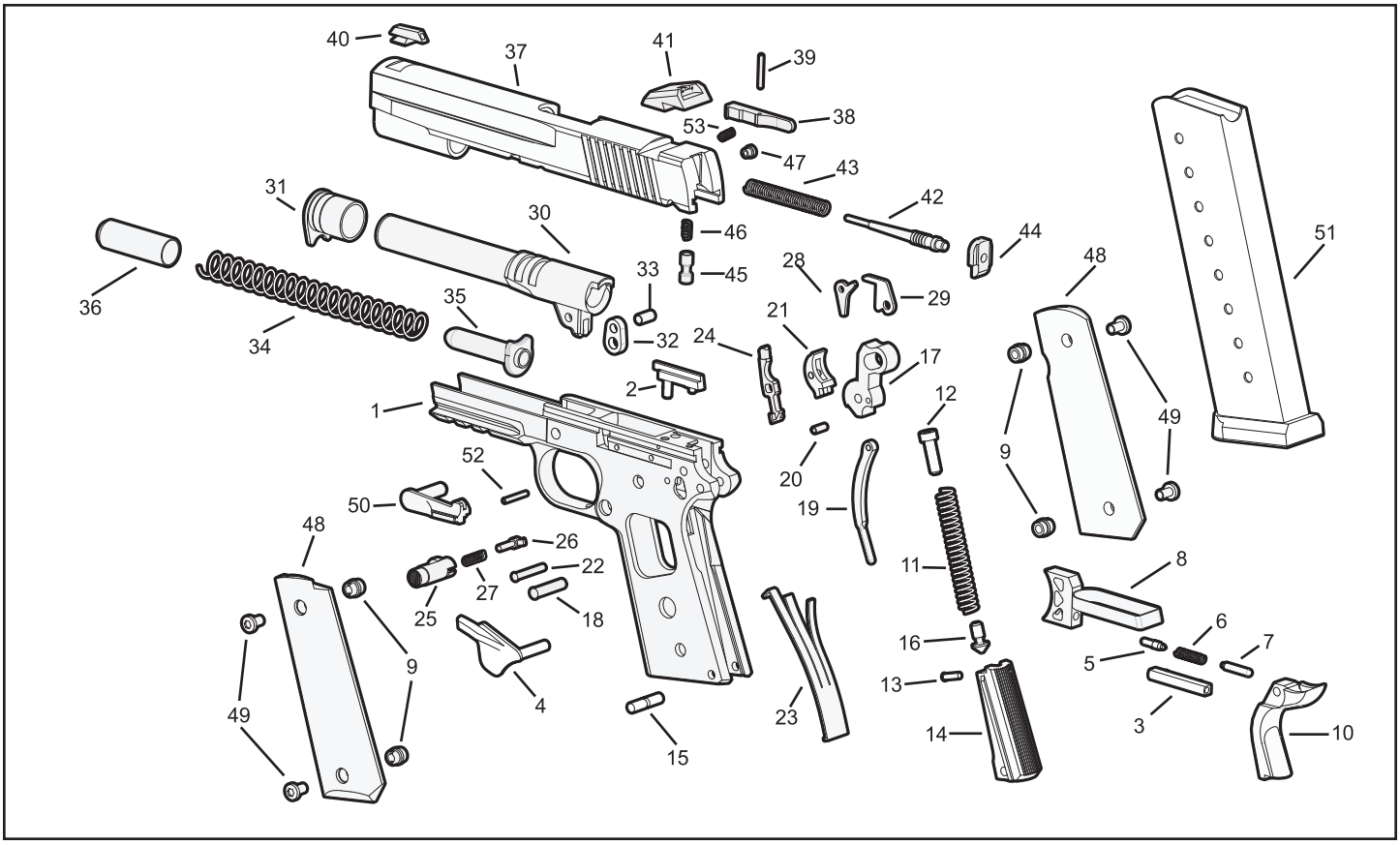

Figure 15: Exploded diagram with parts numbered

1. Frame
2. Ejector
3. Plunger tube
4. Thumb safety
5. Slide stop plunger
6. Plunger spring
7. Safety lock plunger
8. Trigger assembly
9. Grip bushing
10. Grip safety
11. Main spring
12. Main spring cap
13. Main spring cap pin
14. Main spring housing
15. Main spring housing pin
16. Main spring housing pin retainer
17. Hammer
18. Hammer pin
19. Hammer strut
20. Hammer strut pin
21. Sear
22. Sear pin
23. Sear spring
24. Disconnector
25. Magazine catch
26. Magazine catch lock
27. Magazine catch spring
28. Trigger bar lever
29. Plunger lever
30. Barrel
31. Barrel bushing
32. Barrel link
33. Barrel link pin
34. Recoil spring
35. Recoil spring guide
36. Recoil spring plug
37. Slide
38. Extractor
39. Extractor pin
40. Front sight
41. Rear sight
42. Firing pin
43. Firing pin spring
44. Firing pin stop
45. Firing pin plunger
46. Firing pin plunger spring
47. Firing pin plunger retainer
48. Grip
49. Grip screw
50. Slide stop
51. Magazine
52. Ejector Pin
53. Extractor Spring

SIGARMS

Be aware of those around you.
If their actions are not in keeping with
safe gun handling procedures,
TELL THEM.

IMPORTANT

Do not discard. Keep this manual with your firearm. Upon change of ownership, transfer this manual with the firearm.

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www.sigarms.com